

Computer-Aided Sewing Management

CASM system is an advanced computer-aided sewing management system that aims to improve the management level of sewing production, monitor the production process, and realize full product trace back through efficient software tools. This system provides managers with a comprehensive and convenient production monitoring and decision support platform through real-time data collection, in-depth data analysis, detailed information tracing, and an intuitive user interface.



Information Tracing and Quality Monitoring

Production process record: System logs the production process of each product in details, including raw material use, production date and the people handling information.

Rapid locating: Once product quality problems occur, the system can quickly locate problem source and achieve effective quality control.



Personnel and Equipment Management

Equipment digital management: System realizes digital management for production equipment, including equipment maintenance reminders and the information is traceable.

Performance tracking: System can track and analyze workers' performance then provide data support for human resource management.

Upper thread traceability scanning

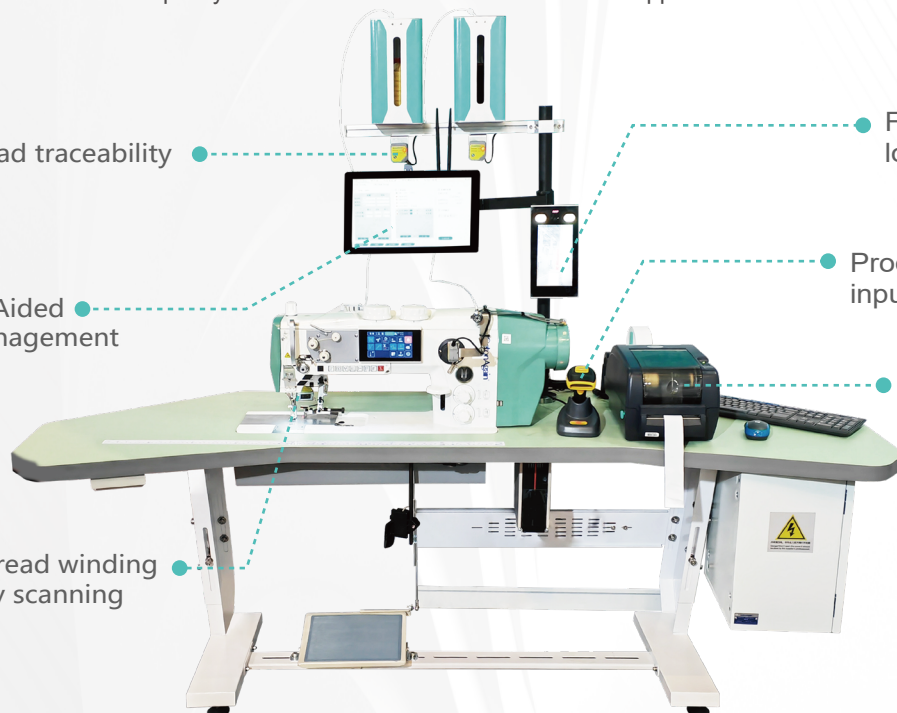
Computer-Aided Sewing Management

Bottom thread winding traceability scanning

Face recognition login

Product information input

Watermark label printing



Data Acquisition and Monitoring

Real-time monitoring: Using high-precision sensors and input devices, the system can real-time monitor key operating parameters of the sewing machine.

Production tracking: System records every production section in detail, including workers' production activities and efficiency, ensuring the transparency of the production process.

Product category monitoring: System monitors the currently being processed product type and compares the real-time output with the set target output.

Processing information monitoring: System records in details regarding the usage of bottom thread, upper thread, bobbin content and other raw materials during processing process, as well as the upper thread tension value for each stitch.



Real-time Alert and Response

Abnormality monitoring: System real-time monitors key production indicators and immediately issues an alarm once an abnormal situation is detected, such as equipment failure or mis-operation occurred.

Reaction on time: Alert system ensures problems can be quickly responded and handled, minimizing production lost.



User Interface and Decision Support

CASM management system: As it is the core of the system, it is not only responsible for data storage and management, but also provides a user-friendly interface to facilitate managers in monitoring production conditions and making decisions.

Data Statistics and Monitoring

Staff and Equipment Statistics

Provides attendance records, working time analysis, work efficiency evaluation and other functions to help managers understand employees' on-the-job status.
Equipment online monitoring: Real-time statistics on the number of devices currently online to ensure efficient use of equipment.

Quality Management

Processing Statistics: System counts the total number of workshop equipment processed and the number of qualified products, this performed traceable statistical data of defective products.

Workflow



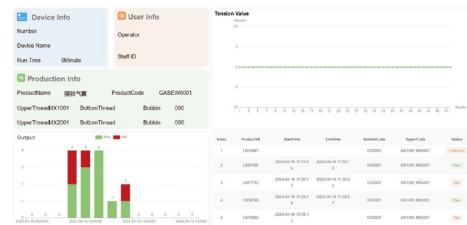
System Administration

Equipment Management



- Digital management: System realizes digital management of production equipment, makes it easier on equipment maintenance reminding and records tracking.

Product Management



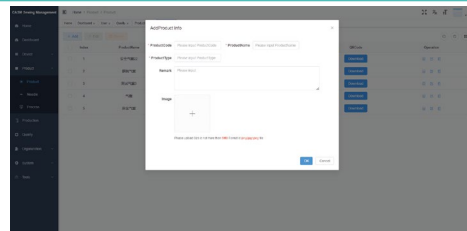
- Process Settings: System allows detailed settings for accessories using and sewing processes, such as upper thread coding and bottom thread coding, etc., it also synchronizes data to the sewing equipment end.

Production Management

Line	Product Name	Product Code	Machine	Operator	Start Time	End Time	Status
1	Product A	10000001	Machine 1	Operator 1	2023-10-27 10:00:00	2023-10-27 10:30:00	Running
2	Product A	10000001	Machine 1	Operator 1	2023-10-27 10:30:00	2023-10-27 11:00:00	Running
3	Product A	10000001	Machine 1	Operator 1	2023-10-27 11:00:00	2023-10-27 11:30:00	Running
4	Product A	10000001	Machine 1	Operator 1	2023-10-27 11:30:00	2023-10-27 12:00:00	Running
5	Product A	10000001	Machine 1	Operator 1	2023-10-27 12:00:00	2023-10-27 12:30:00	Running
6	Product A	10000001	Machine 1	Operator 1	2023-10-27 12:30:00	2023-10-27 13:00:00	Running
7	Product A	10000001	Machine 1	Operator 1	2023-10-27 13:00:00	2023-10-27 13:30:00	Running
8	Product A	10000001	Machine 1	Operator 1	2023-10-27 13:30:00	2023-10-27 14:00:00	Running
9	Product A	10000001	Machine 1	Operator 1	2023-10-27 14:00:00	2023-10-27 14:30:00	Running
10	Product A	10000001	Machine 1	Operator 1	2023-10-27 14:30:00	2023-10-27 15:00:00	Running
11	Product A	10000001	Machine 1	Operator 1	2023-10-27 15:00:00	2023-10-27 15:30:00	Running
12	Product A	10000001	Machine 1	Operator 1	2023-10-27 15:30:00	2023-10-27 16:00:00	Running
13	Product A	10000001	Machine 1	Operator 1	2023-10-27 16:00:00	2023-10-27 16:30:00	Running
14	Product A	10000001	Machine 1	Operator 1	2023-10-27 16:30:00	2023-10-27 17:00:00	Running
15	Product A	10000001	Machine 1	Operator 1	2023-10-27 17:00:00	2023-10-27 17:30:00	Running
16	Product A	10000001	Machine 1	Operator 1	2023-10-27 17:30:00	2023-10-27 18:00:00	Running
17	Product A	10000001	Machine 1	Operator 1	2023-10-27 18:00:00	2023-10-27 18:30:00	Running
18	Product A	10000001	Machine 1	Operator 1	2023-10-27 18:30:00	2023-10-27 19:00:00	Running
19	Product A	10000001	Machine 1	Operator 1	2023-10-27 19:00:00	2023-10-27 19:30:00	Running
20	Product A	10000001	Machine 1	Operator 1	2023-10-27 19:30:00	2023-10-27 20:00:00	Running

- Target Setting: System supports the setting against the equipment operators' performance and can set the target output of the equipment within a certain time frame, to achieve refined management of the production process.

Accessories Management



- Raw Material Management: System provides data management functions for raw materials, such as upper & bottom threads, and bobbin thread, etc. To ensure the rationality and traceability of raw materials usage.